

EXHIBIT 12

FILED UNDER SEAL

HIGHLY CONFIDENTIAL, ATTORNEYS' EYES ONLY, SOURCE CODE

UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF CALIFORNIA

GOOGLE LLC;)
)
Plaintiff,)
)
vs.) Case No.
) 3:20-cv-06754-WHA
SONOS, INC.;)
)
Defendant.)

_____)
)
SONOS, INC.;)
)
Plaintiff,)
)
vs.) Case No.
) 3:21-cv-07559-WHA
GOOGLE LLC;)
)
Defendant.)

_____)
HIGHLY CONFIDENTIAL, ATTORNEYS' EYES ONLY, SOURCE CODE

30(B)(6) WITNESS FOR GOOGLE & 30(B)(1)
VIDEOTAPED REMOTE DEPOSITION OF TAVIS MACLELLAN
Richmond, California
Friday, November 11, 2022

Reported by:
Lynda L. Fenn, CSR, RPR
CSR No. 12566
JOB No. 5577014

1 Richmond, California

2 Friday, November 11, 2022

3 9:03 a.m. - 3:45 p.m.

4

5

6

7 THE VIDEOGRAPHER: Good morning. We're 09:03:10

8 going on the record at 9:03 a.m. on November 11th, 09:03:12

9 2022.

10 This is media unit one of the 09:03:16

11 video-recorded deposition of Tavis Maclellan, and 09:03:18

12 Tavis Maclellan is a 30(b)(6) witness for Google 09:03:21

13 taken by counsel for plaintiff, slash, defendant in 09:03:26

14 the matter of Sonos, Inc., versus Google filed in the 09:03:29

15 United States District Court for the Northern 09:03:33

16 District of California. The case number is 09:03:36

17 3:20-cv-06754-WHA and related case number is 09:03:45

18 3:21-cv-07559-WHA.

19 This deposition is being conducted remotely 09:03:53

20 using virtual technology. 09:03:55

21 My name is Jeff Nichols from the firm 09:03:57

22 Veritext Legal Solutions and I am the videographer. 09:04:01

23 The court reporter is Lynda Fenn from the firm 09:04:03

24 Veritext Legal Solutions. 09:04:07

25 Counsel will now please state their 09:04:08

Page 5

1 appearances and affiliations for the record. 09:04:10

2 MR. BOYEA: Michael Boyea from Lee, 09:04:14

3 Sullivan, Shea & Smith on behalf of Sonos. 09:04:20

4 MR. KAPLAN: This is Marc Kaplan from Quinn 09:04:21

5 Emanuel Urquhart & Sullivan on behalf of Google and 09:04:28

6 the witness and with me today is Patrick Weston from 09:04:31

7 Google. 09:04:38

8 THE VIDEOGRAPHER: Thank you. 09:04:39

9 Will the court reporter please swear in the 09:04:40

10 witness. 09:04:57

11 THE COURT REPORTER: Mr. Maclellan, please 09:04:57

12 raise your right hand. 09:04:59

13

14 TAVIS MACLELLAN,

15 produced as a witness on behalf of the

16 Plaintiff/Defendant, and having been first duly

17 sworn, was examined and testified as follows:

18

19 EXAMINATION

20 BY MR. BOYEA:

21 Q Good morning, please state and spell your 09:05:02

22 name for the record? 09:05:05

23 A My name is Tavis Maclellan, first name 09:05:05

24 Tavis, T-a-v-i-s, last name Maclellan, 09:05:07

25 M-a-c-l-e-l-l-a-n. 09:05:13

1 BY MR. BOYEA: 09:41:34

2 Q Well, yeah, you -- so we were talking about 09:41:35

3 a hub and then you said it would be able to call the 09:41:37

4 Cast APIs on the Cast receiver for it to attempt some 09:41:40

5 sort of transfer, yes. 09:41:45

6 So I'm trying to figure out what "it" is in 09:41:47

7 your statement and what the Cast receiver is in your 09:41:50

8 answer? 09:41:53

9 A Uh-huh. 09:41:55

10 So when I refer to Cast receiver, again I'm 09:41:57

11 referring to the C++ firmware code that runs on the 09:41:59

12 device that implements sort of all the Cast 09:42:03

13 protocols, as you mentioned earlier kind of the code 09:42:07

14 under Chromecast. 09:42:10

15 When I say, "it," I'm referring to the UX 09:42:12

16 elements that the user is actually interacting with 09:42:16

17 on the hub device, that is code that I didn't write, 09:42:19

18 so I don't know the most proper term to refer to it 09:42:23

19 as. 09:42:25

20 But that -- those elements will somehow 09:42:28

21 call into the APIs that I do own and that would be 09:42:32

22 the Cast receiver. 09:42:35

23 Q Okay. 09:42:46

24 So other than a hub do you know is stream 09:42:47

25 transfer -- let me strike that. 09:42:50

1 A At a high level or are you asking, like, 10:42:09
2 what is the code doing? 10:42:12
3 Q Yeah -- well, yeah, what is the code doing? 10:42:13
4 A I mean, I can run through the -- 10:42:15
5 Q Sure. Yeah, that would be great. 10:42:20
6 A So, line 718 -- again, I didn't author this 10:42:25
7 code just for reference as well. 10:42:31
8 [REDACTED] 10:42:35
9 [REDACTED] 10:42:40
10 [REDACTED] 10:42:44
11 Again, I didn't write this code so I 10:42:46
12 actually wouldn't be able to tell what the is audio 10:42:48
13 flag means or the field means in this type script 10:42:54
14 file. 10:42:57
15 [REDACTED] 10:42:58
16 [REDACTED] 10:43:04
17 [REDACTED] 10:43:08
18 [REDACTED] 10:43:12
19 [REDACTED] 10:43:15
20 [REDACTED] 10:43:19
21 [REDACTED] 10:43:21
22 And then I'm not familiar with what the 10:43:35
23 line to 724, this playing on device. I would need to 10:43:37
24 see the code of that function to understand what it's 10:43:41
25 doing. 10:43:43

1 your question was? 11:36:47

2 Q Yeah. 11:36:48

3 So, looking at the comment at 1145, it 11:36:48

4 makes me ask you this question: In our hypothetical 11:36:53

5 where the hub device is the source task receiver, 11:36:57

6 will the transfer stream function be called here? 11:37:01

7 Will this path, if that makes sense, trigger this 11:37:05

8 call of the transfer stream function? 11:37:14

9 MR. KAPLAN: Object to form. 11:37:15

10 THE WITNESS: So, like I said, there are 11:37:18

11 cases where a running receiver app on the hub may 11:37:21

12 take a different path to achieve the transfer. 11:37:28

13 But this path can be it if the partner 11:37:31

14 app -- or, sorry, the Cast receiver app in question 11:37:35

15 does support the store session and resume session. 11:37:38

16 And it indicates in its capabilities that 11:37:41

17 it provides to Cast firmware code that it does 11:37:43

18 support Stream Transfer. 11:37:47

19 BY MR. BOYEA: 11:37:55

20 Q So do you have any understanding of the 11:37:55

21 comment starting at 1145 to 1147, what that means? 11:37:57

22 MR. KAPLAN: Object to form. 11:38:08

23 THE WITNESS: Yes, I did not write this 11:38:09

24 code -- this comment, so I cannot definitively say 11:38:15

25 exactly the intent behind it. 11:38:19

1 previously, we called connection, dot, send/receiver 13:37:24
2 message for, like, the launch request. That is a 13:37:26
3 request to the receiver device for the receiver 13:37:28
4 endpoint. 13:37:30

5 This one, because we have connected to the 13:37:31
6 app, this is sending the media space message directly 13:37:33
7 to the app that we had launched earlier. 13:37:38

8 MR. BOYEA: Okay. 13:37:40

9 BY MR. BOYEA: 13:37:40

10 Q So this is a message that's going from the 13:37:42
11 hub device in our example over to the new destination 13:37:45
12 Cast receiver device; right? 13:37:50

13 A Yeah. So, this will be sent from whatever 13:37:55
14 your Cast receiver currently is to wherever the 13:37:58
15 destination is. 13:38:01

16 It could be, again, like, you know, how 13:38:02
17 there was that fork for local handling. So there is 13:38:04
18 no guaranty that this is sent across the network. 13:38:09

19 But if the destination is a separate 13:38:11
20 device, this is where it will be sent across the 13:38:14
21 network to that Cast endpoint, which would then be 13:38:17
22 forwarded onto the partner receiver app that is 13:38:21
23 running. 13:38:25

24 Q Okay. So, let me just summarize where 13:38:25
25 we're at, because I know you think we're going to 13:38:27

1	turn to the destination side.	13:38:30
2	So, in our example we have a hub that's the	13:38:33
3	source. The user is invoking a Stream Transfer to	13:38:35
4	another physical Cast receiver. And that's going to	13:38:41
5	trigger is a set playback devices call at the hub	13:38:45
6	device; correct?	13:38:50
7	MR. KAPLAN: Object to form.	13:38:52
8	THE WITNESS: Yes, there will be a set	13:38:52
9	playback devices in that method that we looked at in	13:38:59
10	dynamic group manager.	13:39:01
11	BY MR. BOYEA:	13:39:01
12	Q And then the hub will eventually do a store	13:39:02
13	session; correct?	13:39:06
14	MR. KAPLAN: Object to form.	13:39:07
15	THE WITNESS: Yeah, there were a lot of	13:39:07
16	conditions, as I mentioned before, where that might	13:39:09
17	not happen.	13:39:11
18	But if it does decide that it will send	13:39:12
19	that store session, it will send it to the app that	13:39:15
20	is running on the hub device and then it will get the	13:39:18
21	response with the session state, yes.	13:39:21
22	BY MR. BOYEA:	13:39:23
23	Q And then the hub device will send a launch	13:39:24
24	message to the destination Cast receiver; correct?	13:39:27
25	MR. KAPLAN: Object to form.	13:39:32

1 THE WITNESS: It will -- to be pedantic, 13:39:33
2 it's the full Cast V2 connection. 13:39:37
3 So, the actual packets that would be sent 13:39:39
4 would be TCP connection to the destination, SSL 13:39:41
5 handshake, Cast V2 connect, followed by Cast V2 get 13:39:45
6 app availability. 13:39:50
7 Remember, we did that first. Get the 13:39:50
8 response. And then it will send a Cast V2 launch. 13:39:52
9 Then you wait for the receiver status to confirm that 13:39:57
10 the app has been launched with the session I.D. that 13:40:00
11 you would like it to be. 13:40:03
12 BY MR. BOYEA: 13:40:04
13 Q And then the last main thing that we talked 13:40:05
14 about is the hub source device will then send the 13:40:09
15 resume session message to the destination Cast 13:40:14
16 receiver; correct? 13:40:18
17 MR. KAPLAN: Same objection. 13:40:21
18 THE WITNESS: It will specifically send it 13:40:22
19 to the receiver app running on the destination Cast 13:40:24
20 receiver. 13:40:27
21 MR. BOYEA: Correct. Okay. 13:40:32
22 Now is a good time to take a break if you 13:40:33
23 want and then we can continue after. 13:40:35
24 MR. KAPLAN: That's fine. 13:40:38
25 MR. BOYEA: We can keep going, it's up to 13:40:38

HIGHLY CONFIDENTIAL, ATTORNEYS' EYES ONLY, SOURCE CODE

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

[REDACTED]

MR. KAPLAN: Object to form.

[REDACTED]

13:55:52
13:55:58
13:56:01
13:56:02
13:56:07
13:56:13
13:56:17
13:56:19
13:56:22
13:56:22
13:56:25
13:56:32
13:56:34
13:56:38
13:56:38
13:56:43
13:56:46
13:56:49
13:56:52
13:56:54
13:57:00
13:57:04
13:57:04
13:57:06
13:57:10

Page 169

HIGHLY CONFIDENTIAL, ATTORNEYS' EYES ONLY, SOURCE CODE

1	[REDACTED]	13:57:13
2	[REDACTED]	13:57:15
3	[REDACTED]	13:57:19
4	I do not believe there is an extra step	13:57:19
5	but --	13:57:22
6	MR. BOYEA: Okay.	13:57:22
7	BY MR. BOYEA:	13:57:22
8	Q All right.	13:57:23
9	[REDACTED]	13:57:23
10	[REDACTED]	13:57:26
11	[REDACTED] [REDACTED]	13:57:32
12	[REDACTED]	13:57:36
13	[REDACTED]	13:57:41
14	[REDACTED] [REDACTED] [REDACTED]	13:57:43
15	MR. KAPLAN: Object to form.	13:57:49
16	[REDACTED] [REDACTED] [REDACTED]	13:57:51
17	[REDACTED]	13:57:53
18	[REDACTED]	13:57:56
19	[REDACTED]	13:58:00
20	[REDACTED]	13:58:04
21	[REDACTED] [REDACTED] [REDACTED]	13:58:05
22	[REDACTED]	13:58:07
23	[REDACTED] [REDACTED]	13:58:12
24	[REDACTED] [REDACTED]	13:58:17
25	[REDACTED]	13:58:22

Page 170

HIGHLY CONFIDENTIAL, ATTORNEYS' EYES ONLY, SOURCE CODE

1	[REDACTED]	13:58:24
2	[REDACTED]	13:58:26
3	[REDACTED] [REDACTED] [REDACTED]	13:58:31
4	[REDACTED] [REDACTED]	13:58:34
5	[REDACTED] [REDACTED] [REDACTED]	13:58:38
6	[REDACTED]	13:58:40
7	[REDACTED]	13:58:42
8	[REDACTED]	13:58:45
9	[REDACTED] [REDACTED] [REDACTED] [REDACTED]	13:58:47
10	[REDACTED] [REDACTED] [REDACTED]	13:58:52
11	[REDACTED]	13:58:54
12	[REDACTED]	13:58:55
13	[REDACTED] [REDACTED]	13:58:59
14	[REDACTED] [REDACTED] [REDACTED]	13:59:02
15	[REDACTED] [REDACTED]	13:59:05
16	[REDACTED]	13:59:07
17	[REDACTED] [REDACTED]	13:59:10
18	[REDACTED] [REDACTED]	13:59:14
19	[REDACTED] [REDACTED]	13:59:17
20	[REDACTED] [REDACTED]	13:59:21
21	[REDACTED]	13:59:23
22	[REDACTED]	13:59:25
23	[REDACTED] [REDACTED] [REDACTED]	13:59:27
24	[REDACTED] [REDACTED]	13:59:31
25	[REDACTED]	13:59:34

Page 171

HIGHLY CONFIDENTIAL, ATTORNEYS' EYES ONLY, SOURCE CODE

1	[REDACTED]	13:59:38
2	[REDACTED]	13:59:41
3	[REDACTED]	13:59:44
4	[REDACTED]	13:59:46
5	[REDACTED]	13:59:51
6	[REDACTED]	13:59:54
7	[REDACTED]	14:00:00
8	[REDACTED]	14:00:03
9	[REDACTED]	14:00:06
10	[REDACTED]	14:00:07
11	[REDACTED]	14:00:10
12	[REDACTED]	14:00:15
13	[REDACTED]	14:00:17
14	[REDACTED]	14:00:20
15	[REDACTED]	14:00:24
16	[REDACTED]	14:00:27
17	[REDACTED]	14:00:29
18	[REDACTED]	14:00:30
19	[REDACTED]	14:00:34
20	[REDACTED]	14:00:35
21	[REDACTED]	14:00:38
22	[REDACTED]	14:00:41
23	[REDACTED]	14:00:43
24	[REDACTED]	14:00:50
25	[REDACTED]	14:00:53

Page 172

HIGHLY CONFIDENTIAL, ATTORNEYS' EYES ONLY, SOURCE CODE

1	[REDACTED]	14:00:58
2	[REDACTED]	14:01:00
3	[REDACTED]	14:01:01
4	[REDACTED]	14:01:04
5	[REDACTED]	14:01:09
6	[REDACTED]	14:01:11
7	[REDACTED]	14:01:12
8	[REDACTED]	14:01:14
9	[REDACTED]	14:01:17
10	[REDACTED]	14:01:21
11	[REDACTED]	14:01:23
12	[REDACTED]	14:01:24
13	[REDACTED]	14:01:27
14	[REDACTED]	14:01:30
15	[REDACTED]	14:01:33
16	[REDACTED]	14:01:36
17	This is saying if the transfer failed, for	14:01:37
18	whatever reason, we will actually reconfirm is this	14:01:40
19	source device idle, meaning like no one had actually	14:01:43
20	casted in the meantime.	14:01:47
21	And if it is idle, we then attempt to	14:01:48
22	restore the app in the session as it was before the	14:01:50
23	transfer request, right, because in this case it's	14:01:53
24	already -- it might be stopped.	14:01:55
25	So this is what that check is. If the app	14:01:58

Page 173

1 had been stopped, then we attempt to restore it. 14:02:00

2 MR. BOYEA: Okay. 14:02:03

3 BY MR. BOYEA: 14:02:03

4 Q So then in our example, so if the hub 14:02:04

5 source device sends the resume session message, 14:02:07

6 receives a failure back from the destination, the hub 14:02:14

7 might try to basically resume playing back the media. 14:02:18

8 Is that effectively what's happening? 14:02:23

9 MR. KAPLAN: Object to form 14:02:33

10 THE WITNESS: It will attempt to recreate 14:02:34

11 the web app kind of as it was. And so because we are 14:02:36

12 calling restore local session, again, we've 14:02:38

13 potentially already completely terminated the web 14:02:39

14 page, so we will relaunch it. 14:02:40

15 And then we will inject the same resume 14:02:42

16 session with the session state into this new web app. 14:02:45

17 This is a completely new Java script instance in 14:02:50

18 HTML. 14:02:53

19 MR. BOYEA: I see. 14:02:53

20 THE WITNESS: And so it's almost like, you 14:02:55

21 know, we were trying to resume session on the target, 14:02:55

22 but if it fails we actually just turn to ourself and 14:02:57

23 then try and do the same thing, try and resume 14:03:00

24 session on ourself, because -- you are right, we do 14:03:03

25 want to restore playback to what it was and -- but 14:03:05

Page 174

1 the actual details of restoring the playback, is up 14:03:08
2 to the SDK or the partner app to do correctly. 14:03:13

3 Q I see. All right. 14:03:16

4 [REDACTED] 14:03:18
5 [REDACTED] 14:03:20
6 [REDACTED] 14:03:24
7 [REDACTED] [REDACTED] [REDACTED] 14:03:30

8 A Sorry, I'm still looking. I think I might 14:04:07
9 know where it is. 14:04:09

10 Q No worries. 14:04:10

11 MR. BOYEA: And just for the record, this 14:04:22
12 is a printout of Cast adaptor, dot, TS. 14:04:23
13 And the PDF is Bates stamped with ending 14:04:28
14 0229. The source code line that begins on this page 14:04:34
15 is 469. 14:04:38
16 MR. KAPLAN: So, I think this is going to 14:04:41
17 be in the file with the 74 in it. 14:04:43
18 THE WITNESS: Uh-huh. Yeah, I actually 14:04:46
19 have -- I have the page opened. It's 0229 Cast 14:04:48
20 adaptor, dot, TS. 14:04:53
21 MR. BOYEA: Correct. 14:04:55
22 MR. KAPLAN: I'm actually still pulling it 14:04:55
23 up too. 14:04:57
24 BY MR. BOYEA: 14:05:02
25 Q So, Mr. Maclellan, I understand -- 14:05:03

1 method and that's going to be -- your file is going 14:10:12
2 to end at 1731? 14:10:16
3 MR. KAPLAN: Sorry, you said Bates 14:10:29
4 No. 1731? 14:10:32
5 MR. BOYEA: Yeah. 14:10:33
6 MR. KAPLAN: Okay. Give us just a second. 14:10:34
7 MR. BOYEA: Uh-huh. 14:10:36
8 THE WITNESS: I have it opened, though. 14:10:37
9 MR. BOYEA: Perfect. And for the record, 14:10:39
10 this is another printout from Casa adaptor, dot, TS, 14:10:41
11 lines 920 to line 946 and the Bates number ends in 14:10:46
12 1731. 14:10:51
13 Let me know once you are there, Marc. 14:10:53
14 MR. KAPLAN: Almost. 14:10:56
15 Okay. Yeah. 14:11:09
16 MR. BOYEA: All right. 14:11:11
17 BY MR. BOYEA:
18 Q Mr. Maclellan, if you could just help me 14:11:12
19 understand what's happening in this method. 14:11:14
20 I know you personally might not have 14:11:16
21 written it, but if you could help me understand the 14:11:19
22 functions that are being called. 14:11:23
23 MR. KAPLAN: Object to form. Scope. 14:11:26
24 THE WITNESS: Yes. So, again, preface that 14:11:28
25 I didn't write this code. 14:11:30

HIGHLY CONFIDENTIAL, ATTORNEYS' EYES ONLY, SOURCE CODE

1	[REDACTED]	14:11:31
2	[REDACTED]	14:11:36
3	[REDACTED]	14:11:40
4	[REDACTED]	14:11:41
5	[REDACTED]	14:11:43
6	[REDACTED]	14:11:47
7	[REDACTED]	14:11:48
8	[REDACTED]	14:11:50
9	[REDACTED]	14:11:52
10	[REDACTED]	14:11:54
11	[REDACTED]	14:11:57
12	[REDACTED]	14:11:58
13	[REDACTED]	14:12:04
14	[REDACTED]	14:12:08
15	[REDACTED]	14:12:12
16	[REDACTED]	14:12:15
17	[REDACTED]	14:12:17
18	[REDACTED]	14:12:20
19	[REDACTED]	14:12:25
20	[REDACTED]	14:12:29
21	[REDACTED]	14:12:31
22	[REDACTED]	14:12:33
23	[REDACTED]	14:12:39
24	[REDACTED]	14:12:42
25	[REDACTED]	14:12:44

HIGHLY CONFIDENTIAL, ATTORNEYS' EYES ONLY, SOURCE CODE

1	[REDACTED]	14:12:46
2	[REDACTED] [REDACTED]	14:12:49
3	[REDACTED] [REDACTED]	14:12:52
4	[REDACTED]	14:12:55
5	[REDACTED] [REDACTED]	14:12:57
6	[REDACTED] [REDACTED] [REDACTED]	14:13:00
7	[REDACTED]	14:13:03
8	[REDACTED]	14:13:05
9	[REDACTED] [REDACTED]	14:13:06
10	[REDACTED] [REDACTED]	14:13:09
11	[REDACTED]	14:13:11
12	[REDACTED] [REDACTED]	14:13:13
13	[REDACTED] [REDACTED]	14:13:16
14	[REDACTED] [REDACTED]	14:13:20
15	[REDACTED]	14:13:23
16	[REDACTED] [REDACTED]	14:13:27
17	[REDACTED] [REDACTED]	14:13:32
18	[REDACTED] [REDACTED] [REDACTED]	14:13:38
19	[REDACTED]	14:13:42
20	[REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]	14:13:46
21	[REDACTED] [REDACTED]	14:13:49
22	[REDACTED]	14:13:53
23	[REDACTED] [REDACTED] [REDACTED]	14:13:56
24	[REDACTED] [REDACTED] [REDACTED] [REDACTED]	14:14:01
25	[REDACTED] [REDACTED] [REDACTED]	14:14:04

HIGHLY CONFIDENTIAL, ATTORNEYS' EYES ONLY, SOURCE CODE

1	[REDACTED]	14:14:06
2	[REDACTED] [REDACTED] [REDACTED] [REDACTED]	14:14:07
3	[REDACTED]	14:14:10
4	[REDACTED]	14:14:13
5	[REDACTED]	14:14:16
6	[REDACTED] [REDACTED]	14:14:18
7	[REDACTED] [REDACTED]	14:14:24
8	[REDACTED]	
9	[REDACTED]	14:14:28
10	[REDACTED] [REDACTED]	14:14:31
11	[REDACTED]	14:14:34
12	[REDACTED]	14:14:38
13	[REDACTED] [REDACTED]	14:14:42
14	[REDACTED]	14:14:43
15	[REDACTED]	14:14:45
16	[REDACTED]	14:14:48
17	[REDACTED]	14:14:51
18	So, more or less what this function is	14:14:51
19	basically doing is resume session has been received.	14:14:54
20	This receiver app has their own custom format for how	14:14:57
21	they represent their session data.	14:15:01
22	They extract it from custom data and then	14:15:03
23	they attempt to resume the -- resume from those	14:15:06
24	playback parameters or from the session state would	14:15:10
25	be most correct.	14:15:14

1 multi zone follower application which is just a C++ 14:28:26
2 code that handles stuff. And then it will begin 14:28:29
3 partaking in a multi zone group playback exactly as 14:28:32
4 if you had cast it, right. 14:28:36

5 So the distinction there is that, you know, 14:28:37
6 am I just doing this locally to myself or am I -- is 14:28:40
7 it -- is the leader endpoint a completely different 14:28:45
8 device. 14:28:47

9 And that's also why I mentioned earlier 14:28:48
10 that stop app does not necessarily mean that that 14:28:50
11 source device will ever stop playing audio, right. 14:28:54

12 In that case there will be a brief amount 14:28:57
13 of time where the app is stopped, but then it will, 14:28:59
14 you know, be part of the group playback. 14:29:01

15 So from the user's point of view, that 14:29:03
16 source device that was playing never stopped playing. 14:29:05

17 MR. BOYEA: That makes sense. 14:29:10

18 BY MR. BOYEA:

19 Q So in the example that we were talking 14:29:11
20 about where you have the hub, you have two other 14:29:14
21 receivers and one of the other receivers is playing 14:29:18
22 audio. 14:29:20

23 The hub is only going to send the set 14:29:21
24 playback devices message and then after that it's 14:29:24
25 done with the Stream Transfer? 14:29:27

1 MR. KAPLAN: Object to form. 14:29:31

2 THE WITNESS: Yes, it will be waiting on a 14:29:31

3 response.

4 So if there was some sort of UX on the hub 14:29:38

5 that would like to indicate the success or failure, 14:29:41

6 as an example, so it will send the set playback to 14:29:44

7 the Cast V2 and then at that point it is now waiting 14:29:48

8 for a response. 14:29:51

9 So we looked at the code where the Stream 14:29:53

10 Transfer connection can defect, oh, an error happened 14:29:56

11 for whatever reason. 14:30:00

12 That will then be forwarded back to the 14:30:01

13 original hub device that sent that request. And then 14:30:03

14 basically, hey, your request to change the playback 14:30:08

15 was failed for X, Y, Z reasons. 14:30:11

16 MR. BOYEA: I see. I see. Okay. 14:30:15

17 BY MR. BOYEA:

18 Q So shifting gears a little bit, the first 14:30:17

19 examples we were talking about, the hub was the 14:30:19

20 device that was playing -- originally playing the 14:30:22

21 media session that we were transferring to the 14:30:25

22 destination. 14:30:28

23 After the hub successfully performs the 14:30:31

24 Stream Transfer, is it the case that the hub can be 14:30:37

25 used to control playback at the destination? 14:30:42

Page 196

1 STATE OF CALIFORNIA)
2) ss.
3 COUNTY OF LOS ANGELES)

4 I, Lynda L. Fenn, Certified Shorthand
5 Reporter No. 12566 for the State of California, do
6 hereby certify:

7 That prior to being examined, the witness named
8 in the foregoing deposition was duly sworn to testify
9 the truth, the whole truth, and nothing but the
10 truth;

11 That said deposition was taken down by me in
12 shorthand at the time and place therein named and
13 thereafter reduced by me to typewritten form and that
14 the same is a true, correct, and complete transcript
15 of said proceedings.

16 Before completion of the deposition, review of
17 the transcript [X] was [] was not requested. If
18 requested, any changes made by the deponent (and
19 provided to the reporter) during the period allowed
20 are appended hereto.

21 I further certify that I am not interested in
22 the outcome of the action.

23 Witness my hand this 16th day of November, 2022.

24 

25 Lynda L. Fenn, CSR, RPR